	Stage 6	
	Topics	
	Number System S6	Place value from 8 digits to 3 decimal places
	,	Multiply and divide numbers by 10, 100, 1000 up to 3 decimal places
		Using negative numbers with temperature and other contexts
		Common multiples and common factors
		Know the first few prime, square, cube and triangle numbers
erm 1	Calculating 1 S6	Rounding integers to the nearest 10.100 or 1000 and decimals to 1dp
		Order decimals
		Use the order of operations, including brackets
		Use mental methods with decimals, fractions, percentages and simple problems
		Multiply and divide 3-digit by 2-digit whole numbers
		Multiply and divide decimals with 1 or 2dp by single-digit whole numbers
		Use a range of checking e.g. estimating and inverse operations
🖵	Calculating 2 S6	Use short division to divide 3- and 4-digit numbers by 1- or 2-digit numbers
alt		Use long division, including to divide a 3- or 4-digit number by a 2-digit number
エ		Write the remainder of a division problem:
		- as a fraction
		- as a decimal by extending beyond the decimal point
		Extract information to set up a division problem
	Algebra 1 S6	Substitute numbers into one- and two-step formulae written in words
		Create one- and two-step formulae from given informations
		Use letters to represent unknown numbers
		Know the meaning of expression and equation
		Collecting like terms
	FDP 1 S6	Understand that two fractions can be equivalent
		Simplify a fraction to write it in its lowest terms
		Understand that a fraction is a way of representing a division
		Compare two fractions by considering diagrams and equivalent fractions
		Know standard fraction/decimal/percentage equivalences (e.g. 10%, 25%, 50%, 75%)
	Shape S6	Use a protractor to draw angles up to 180°
		Use a protractor to work out and construct reflex angles
		Use a ruler to draw lines to the nearest millimetre
		Know the names of common 3D shapes
2		Use mathematical language to describe 3D shapes
3		Construct 3D shapes from given nets
L L		Draw accurate nets for common 3D shapes
Ĕ	Sequences 1 S6	Find the next term in a linear sequence
If		Find a missing term in a linear sequence
На		Generate a linear sequence from its description
_		Know the Fibonacci Sequence
		Measure lines to the nearest 1mm and angles to the nearest degree
		Construct SAS and ASA triangles using rule and protractor
		know the meaning of faces, edges, vertices and 'regular' polygons
	Constructions 1 S6	identify line and rotational symmetry in polygons
	Probability S6	Understand & use probability scale from 0 to 1
	,	Identify all the possible mutually exclusive outcomes of a single event
		Estimate probabilities compare experimental and theoretical probabilities in simple contexts
		Find simple Probabilities
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	Proportion S6	Identify when a comparison problem can be solved using multiplication and/or division
		Find the value of a single item in a comparison problem
		Understand the meaning of enlargement and scale factor
		Find the scale factor for a given enlargement
		Use knowledge of fractions and multiples to solve a sharing (or grouping) problem
	Measures S6	Convert between non-adjacent metric units; e.g. kilometres and centimetres
m		Use decimal notation up to three decimal places when converting metric units
erm		Convert between Imperial units; e.g. feet and inches, pounds and ounces, pints and gallons
	Geometry 1 S6	Identify angles that meet at a point
بَر   ب		Identify angles that meet at a point on a line

Hall		Identify vertically opposite angles Know that vertically opposite angles are equal
		Use known facts to find missing angles
	Statistics 1 S6	Understand and read scales on graphs
		Construct and interpret pictograms
		Construct and interpret a bar chart
		Construct and interpret a line graph
		Construct and interpret pie charts by measuring angles
	Statistics 1 S6	

Term 4		
	Checking & Est S6	Approximate any number by rounding to a specified degree of accuracy, e.g. nearest 20, 50, 1 000 000
		Understand estimating as the process of finding a rough value of an answer or calculation
		Use estimation to predict the order of magnitude of the solution to a calculation
		Estimate multiplication and division calculations involving upto four-digit numbers by two-digit numbers
	FDP 2 S6	Add and subtract fractions, including with different denominators and mixed numbers
alf		Multiply a proper fraction by a proper fraction
Ĥ		Divide a proper fraction by a whole number
		Find 10% of a quantity
		Use non-calculator methods to find a percentage of an amount
		Use decimal or fraction equivalents to find a percentage of an amount
	Coordinates and Graphs S6	Plot points in all 4 quadrants
		Draw a table of values
		Plot equations in the form $v=mx+c$ , $ax+by=c$ , $v=3$ and $x=4$

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f Term 5	Algebra 2 S6	Solve missing number problems expressed in words and algebraically
		Know the basic rules of algebraic notation
		Solve basic linear equations using balance method
		Solve basic problems using graphs and equations. i.e. show that you can solve $y = 2x - 3$ using a graph
		Substitute into Formulae and where this leads to an equation to solve; e.g. $3x + 2y = 19$ , Find x if y=2
Ча	Area and Volume S6	Know the formulae and units for areas of rectangles, triangles, parallelogram
-		Know the formula for the volume of a cuboid
-		Convert between metric units of area and volume in simple cases
		Use coordinates to describe and write the position of a point in all 4 quadrants
	Transformations S6	Construct a 2D coordiante grid
		Use coordinates to plot a set of points in all 4 quadrants to construct a polygon
		Solve problems involving coordinates
		Carry out a translation
		Carry out a reflection using one of the axes as a mirror line
	Shape 2 S6	Know the definitions of special triangles and quadrilaterals
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		Carry out a translation
rm 6		Carry out a reflection using one of the axes as a mirror line
	Shape 2 S6	Know the definitions of special triangles and quadrilaterals
		Classify 2D shapes using given categories; e.g. number of sides, symmetry
		Know the angle sum of a triangle
		Know the angle sum of a quadrilateral
		Know how to find the angle sum of any polygon
		Use the angle sum of a triangle to find missing angles
Те		Find the missing angle in an isosceles triangle when only one angle is known
_		Use the angle sum of a quadrilateral to find missing angles
la		Know how to find the size of one angle in any regular polygon
<u> </u>		Find all the nets for a cube
		Use a net to visualise the edges (vertices) that will meet when folded
	Statistics 2 S6	Understand the meaning of 'average' as a typicality (or location)
		Understand the mean as a measure of typicality (or location)
		Calculate the mean of a set of data
		Use the mean to find a missing number in a set of data
		Use the Mode as an average
		Understand that the Mode is the ONLY way to find the average of non-numerical data
		Be able to find range
		Understand Range as a measure of how spread out the data is